

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	392	"vcSEL" or (vertical adj cavity adj surface adj emitting adj laser)	EPO; JPO; IBM_TDB	OR	ON	2006/06/05 14:33
L2	81069	interfer or interfere or interfering or interference or interferometer or interferometric or interferometrically or interferogram	EPO; JPO; IBM_TDB	OR	ON	2006/06/05 14:33
L3	907	etalon	EPO; JPO; IBM_TDB	OR	ON	2006/06/05 14:33
L4	6	1 AND 2	EPO; JPO; IBM_TDB	OR	ON	2006/06/05 14:34
L5	0	4 and 3	EPO; JPO; IBM_TDB	OR	ON	2006/06/05 14:33
L6	2	1 and 3	EPO; JPO; IBM_TDB	OR	ON	2006/06/05 14:33
L7	272	(356/451).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/06/05 14:34
L8	1066	(372/32).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/06/05 14:34
L9	162	(356/454).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/06/05 14:34
S1	1206771	"vcSEL" or (vertical adj cavity adj surface adj emitting adj laser)	US-PGPUB; USPAT	OR	ON	2006/05/31 09:45
S2	734552	interfer or interfere or interfering or interference or interferometer or interferometric or interferometrically or interferogram	US-PGPUB; USPAT	OR	ON	2006/06/05 14:33
S3	229123	S1 and S2	US-PGPUB; USPAT	OR	ON	2006/05/30 10:12
S4	164790	spectrometer or spectrometry or spectroscopy or spectroscopic	US-PGPUB; USPAT	OR	ON	2006/05/30 10:12
S5	9292	S3 and S4	US-PGPUB; USPAT	OR	ON	2006/05/30 10:12
S6	4731	etalon	US-PGPUB; USPAT	OR	ON	2006/06/05 14:33
S7	326	S5 and S6	US-PGPUB; USPAT	OR	ON	2006/05/30 10:30
S8	1	("6654125").PN.	US-PGPUB; USPAT	OR	OFF	2006/05/30 11:09
S9	2352	manning.in.	US-PGPUB; USPAT	OR	ON	2006/05/30 11:09
S10	335	S1 and S9	US-PGPUB; USPAT	OR	ON	2006/05/30 11:10

## EAST Search History

S11	8	S10 and S4	US-PGPUB; USPAT	OR	ON	2006/05/30 11:10
S13	25	((("4,094,609") or ("4,653,880") or ("4,655,225") or ("4,661,706") or ("4,684,255") or ("4,712,912") or ("4,730,882") or ("4,853,542") or ("4,857,735") or ("4,859,064") or ("4,867,557") or ("4,882,492") or ("4,883,953") or ("4,975,581") or ("5,007,423") or ("5,015,100") or ("5,028,787") or ("5,068,536") or ("5,070,874") or ("5,109,465") or ("5,158,082") or ("5,178,142") or ("5,188,108") or ("5,204,532") or ("5,222,496"))).PN.	US-PGPUB; USPAT	OR	OFF	2006/05/30 13:52
S14	32	((("5,223,715") or ("5,224,478") or ("5,225,678") or ("5,237,178") or ("5,243,546") or ("5,257,086") or ("5,267,152") or ("5,268,749") or ("5,303,026") or ("5,311,021") or ("5,348,003") or ("5,355,880") or ("5,360,004") or ("5,361,758") or ("5,379,764") or ("5,402,778") or ("5,419,321") or ("5,435,309") or ("5,459,317") or ("5,459,677") or ("5,460,177") or ("5,490,506") or ("5,494,032") or ("5,515,847") or ("5,533,509") or ("5,592,402") or ("5,596,992") or ("5,606,164") or ("5,630,413") or ("5,636,633") or ("5,655,530") or ("5,672,875"))).PN.	US-PGPUB; USPAT	OR	OFF	2006/05/30 13:53
S15	32	((("5,677,762") or ("5,708,593") or ("5,743,262") or ("5,747,806") or ("5,750,994") or ("5,782,755") or ("5,792,050") or ("5,808,739") or ("5,817,007") or ("5,818,048") or ("5,823,951") or ("5,828,066") or ("5,830,132") or ("5,853,370") or ("5,857,462") or ("5,933,792") or ("5,935,062") or ("5,945,676") or ("5,957,841") or ("6,016,435") or ("6,025,597") or ("6,026,314") or ("6,034,370") or ("6,040,578") or ("6,041,247") or ("6,043,492") or ("6,045,502") or ("6,046,808") or ("6,056,738") or ("6,061,581") or ("6,061,582") or ("6,066,847"))).PN.	US-PGPUB; USPAT	OR	OFF	2006/05/30 13:55

## EAST Search History

S16	23	((("6,069,905") or ("6,073,037") or ("6,088,605") or ("6,115,673") or ("6,152,876") or ("6,157,041") or ("6,172,743") or ("6,192,261") or ("6,212,424") or ("6,226,541") or ("6,230,034") or ("6,236,047") or ("6,240,306") or ("6,241,663") or ("6,272,367") or ("6,280,381") or ("6,309,884") or ("6,441,388") or ("6,504,614") or ("6,381,025") or ("6,594,022") or ("5,892,786") or ("5,923,422")).PN. or ((2002/0171834) or (2003/0007147) or (2003/0023152) or (2003/0023170)).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/05/30 13:55
S17	1206771	"vcsl" or (vertical adj cavity adj surface adj emitting adj laser)	US-PGPUB; USPAT	OR	ON	2006/05/31 14:01
S18	4731	etalon	US-PGPUB; USPAT	OR	ON	2006/05/30 18:46
S19	306005	feedback	US-PGPUB; USPAT	OR	ON	2006/05/30 18:46
S20	1587	S17 and S18	US-PGPUB; USPAT	OR	ON	2006/05/30 18:46
S21	840	S20 and S19	US-PGPUB; USPAT	OR	ON	2006/05/30 18:46
S22	422	"372"/\$.ccls. and S21	US-PGPUB; USPAT	OR	ON	2006/05/30 18:47
S23	649090	temperature and current	US-PGPUB; USPAT	OR	ON	2006/05/31 14:00
S24	590	S23 and S21	US-PGPUB; USPAT	OR	ON	2006/05/30 18:47
S25	234	372/32.ccls. and S17	US-PGPUB; USPAT	OR	ON	2006/05/30 18:47
S26	97	S25 and S18	US-PGPUB; USPAT	OR	ON	2006/05/30 19:03
S27	75	S26 and S19	US-PGPUB; USPAT	OR	ON	2006/05/30 19:03
S28	6230	"vcsl" or (vertical adj cavity adj surface adj emitting adj laser)	US-PGPUB; USPAT	OR	ON	2006/05/30 19:06
S29	345	S28 and S18	US-PGPUB; USPAT	OR	ON	2006/05/30 19:06
S30	268	S29 and S23	US-PGPUB; USPAT	OR	ON	2006/05/30 19:06
S31	17	372/32.ccls. and S30	US-PGPUB; USPAT	OR	ON	2006/05/30 19:09
S32	110	"372"/\$.ccls. and S30	US-PGPUB; USPAT	OR	ON	2006/05/30 19:11

## EAST Search History

S33	21	"356"/\$.ccls. and S30	US-PGPUB; USPAT	OR	ON	2006/05/30 19:10
S34	6230	"vcsl" or (vertical adj cavity adj surface adj emitting adj laser)	US-PGPUB; USPAT	OR	ON	2006/05/31 09:45
S35	164790	spectrometer or spectrometry or spectroscope or spectroscopy	US-PGPUB; USPAT	OR	ON	2006/05/31 09:45
S36	734552	interfer or interfere or interfering or interference or interferometer or interferometric or interferometrically or interferogram	US-PGPUB; USPAT	OR	ON	2006/05/31 09:45
S37	4731	etalon	US-PGPUB; USPAT	OR	ON	2006/05/31 09:45
S38	534	S34 and S35	US-PGPUB; USPAT	OR	ON	2006/05/31 09:45
S39	321	S38 and S36	US-PGPUB; USPAT	OR	ON	2006/05/31 09:45
S40	69	S39 and S37	US-PGPUB; USPAT	OR	ON	2006/05/31 09:46
S41	6230	"vcsl" or (vertical adj cavity adj surface adj emitting adj laser)	US-PGPUB; USPAT	OR	ON	2006/05/31 14:01
S42	4731	etalon	US-PGPUB; USPAT	OR	ON	2006/05/31 14:01
S43	306005	feedback	US-PGPUB; USPAT	OR	ON	2006/05/31 14:01
S44	649090	temperature and current	US-PGPUB; USPAT	OR	ON	2006/05/31 14:02
S45	59	S41 same S42	US-PGPUB; USPAT	OR	ON	2006/05/31 14:02
S46	39	S45 and S44	US-PGPUB; USPAT	OR	ON	2006/05/31 14:02
S47	6230	"vcsl" or (vertical adj cavity adj surface adj emitting adj laser)	US-PGPUB; USPAT	OR	ON	2006/06/05 14:33
S48	649090	temperature and current	US-PGPUB; USPAT	OR	ON	2006/05/31 15:04
S49	4731	etalon	US-PGPUB; USPAT	OR	ON	2006/05/31 15:04
S50	2770	S47 and S48	US-PGPUB; USPAT	OR	ON	2006/05/31 15:05
S51	268	S50 and S49	US-PGPUB; USPAT	OR	ON	2006/05/31 15:05
S52	6230	"vcsl" or (vertical adj cavity adj surface adj emitting adj laser)	US-PGPUB; USPAT	OR	ON	2006/05/31 17:40
S53	649090	temperature and current	US-PGPUB; USPAT	OR	ON	2006/05/31 17:40

## EAST Search History

S54	4731	etalon	US-PGPUB; USPAT	OR	ON	2006/05/31 17:40
S55	2770	S52 and S53	US-PGPUB; USPAT	OR	ON	2006/05/31 17:40
S56	268	S55 and S54	US-PGPUB; USPAT	OR	ON	2006/05/31 17:40
S57	36632	collimate or collimating or collimation	US-PGPUB; USPAT	OR	ON	2006/05/31 17:41
S58	141	S56 and S57	US-PGPUB; USPAT	OR	ON	2006/05/31 17:41
S59	1	("6600846").PN.	US-PGPUB; USPAT	OR	OFF	2006/06/01 14:27